

MULTIBAND AND MULTIMODE TRANSMITTER AND METHOD

ABSTRACT OF THE DISCLOSURE

A multiband and multimode transmitter circuit (200) includes two separate oscillators, such as at least a first oscillator circuit (60), a second oscillator circuit (62), a corresponding first signal processing circuit (64), and second signal processing circuit (66) to produce a first output frequency signal (78) defined within the first or second band of frequencies in response to a transmitter input signal (46). Each oscillator and corresponding signal processing circuit (64, 66) may be optimized for the lowest power consumption while meeting the noise performance criteria in each of the multiple frequency bands. The multiband and multimode transmitter circuit (200) may produce the transmitter output signal (36) with either linear modulation or nonlinear modulation and at a first band or second band frequencies.